

EVA - 1

EMI

CDR



EVA 1 CDR
LUNAR SURFACE CUFF CHECKLIST

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EMU
PLSS TO LM H2O TRANSFER

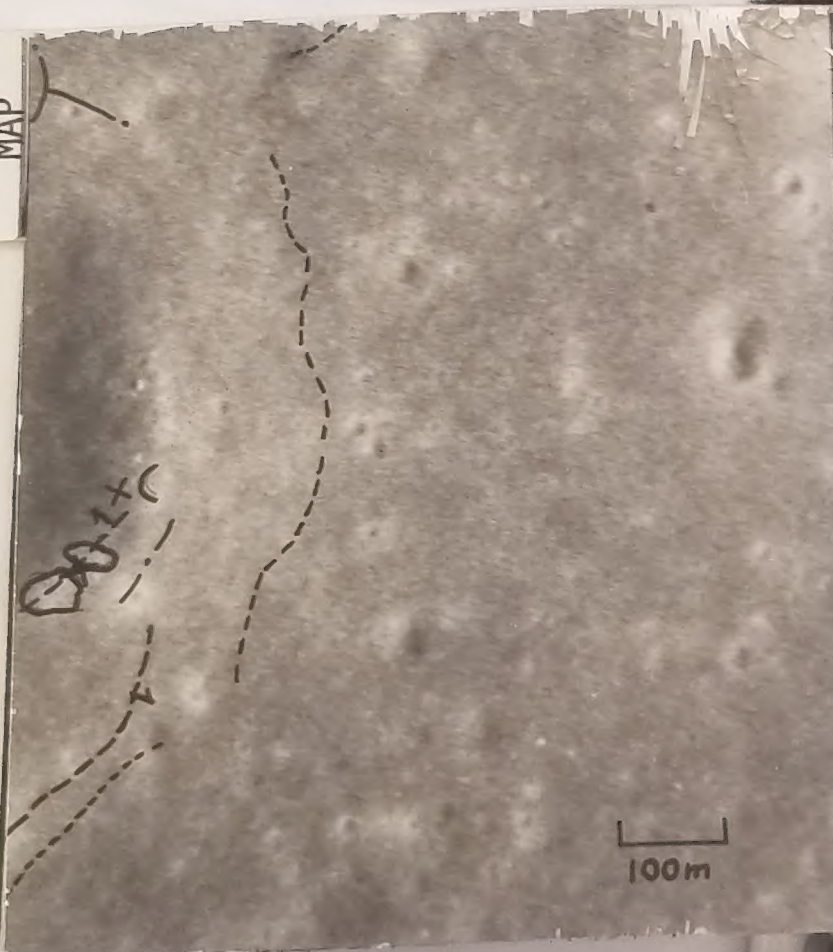
PLSS Pump - OFF -
Disconnect PLSS H2O
Connect LM H2O
CB(16) ECS: LCG Pump-Close

LM TO PLSS H2O TRANSFER

CB(16) ECS: LCG Pump-Open
Disconnect LM H2O
Connect PLSS H2O
PLSS Pump -ON-

EXPTS OFF
PLSS
PTES
RV OFF
DEPRESS
SET-UP
ST
DRIVER
RV FRONT
CONFIG

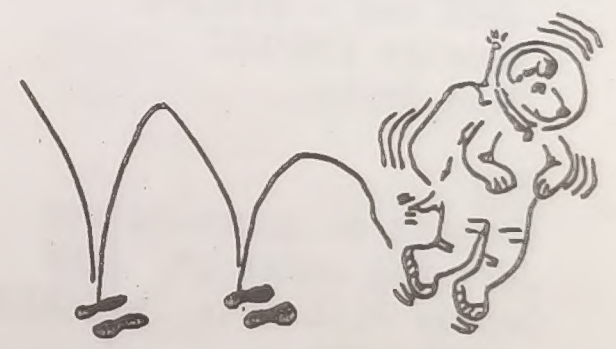
LM AREA
MAP



100m

EMU

THE BEGINNING, NOT THE END....



EXPTS (NOTES) SRC, FI
RV OFF SI DRIVE RV FRONT
DEPRESS N SET-UP CONFIG

DEPRESS .M AREA
LRV OFF MAP

EVA 1

0+00 CABIN DEPRESS
Start watch (call mark)

0+10 EGRESS/PORCH
Jett bag - discard
Receive ETB/LEC
MESA deploy

FAM
Comment on surroundings
Jett bag under LM [LMP
Deploy PLSS ants [EGRESS
(CDR/LMP)

0+21

OFFLOAD LRV

Open Quad I thermal blanket
•Drape tape over strut
•Conting. tool to LM strut
•Unstow aft deployment
cable - drape over strut

VERIFY:

- Walking hinge latches
engaged
- Fwd & aft chassis parallel
to center chassis
- LH & RH outrigger cables
taut

Deploy reel OPS tape, RH side
& back away from deploy
area
VERIFY LRV rotates [PULL
outboard [D-HANDLE

EMU

EXPTS OFF ALSEP LRV OFF SI DRIVE RV FRONT
SRC, FLAG TRAV DEPRESS N SET-UP CONFIG

LRV SET-UP PRESS M AREA
TEST DRIVER OFF MAP

Pull down on RH reel
tape until out-
rigger cables
slack

PULL ON
DEPLOY
CABLE

Pull RH pin, out-
rigger cable
When fwd wheels on
surface:

PULL LH
PIN,
LOWER

- Pull pins on de-
ploy cable &
fittings

RELEASE
SADDLE

Move LRV from LM

0+32 SET UP LRV

Do RH side-aft 1st
Erect geo post
Extend rear fender

LMP DOES
LH SIDE

VERIFY rear hinge pins & seal
Erect seat & unstow seatbelt

EMU

Lower armrest
Pull T-handle
Lower console, raise
handhold, lock
T-handle

BOTH
CDR
&
LMP

Remove tripod apex
Tool behind footrest
VERIFY front hinge pins
Erect footrest
Extend front fender
VERIFY bat covers CLOSED

0+40

LRV CHECKOUT

POWER UP

LM AREA
DESCRIP

Drive to MESA
+15 VDC sw - OFF -

EXPTS OFF ALSEP
SRC, FLAG TRAV
HEE
ALSEP
LRV SET-UP FRONT
CONFIG

LRV FRONT RV SET-UP/EPRESS M AREA
CONFIG TEST DRIVE RV OFF MAP

0+46 LRV FRONT CONFIGURE

Lift LCRU post locks

Release Y-cable

Install LCRU, lock posts & conn. pwr conn. [GEO
PALLET
SET-UP

Install TCU(conn. inboard)

Conn. pwr cable to TCU

Unstow Rake

Install LGA, CDR side, tilt to 45°, align

Conn LGA to LCRU [CDR CAM,
ETB

Install, raise HGA mast

Conn HGA to LCRU

Velcro cable to staff

1+08

Unstow TV cam (MESA LH) EMU
TV to TCU
TV sunshade to TV cam
TV cable (TCU) to TV cam

Deploy HGA/Align

Check LCRU:

- Deploy LCRU whip ant
- LCRU Blkts - 100% open
- Cb - Closed
- Pwr sw - INT -
- Report - AGC, TEMP, PWR
- Pwr sw - EXT -
- Mode sw - 2 -(FM/TV)
- TCU pwr sw - ON -(mom.)
- VERIFY - AGC & PWR ~2

EXPTS OFF ALSEP
SRC, FLAG TRAY

ALSEP

HFE

LRV FRONT
CONFIG

SRC, FLAGV FRONT RV SET-UP/EPRESS M AREA
EXPTS OFF CONFIG EST DRIVE RV OFF MAP

SRC CONFIG

SRC 1 (RH) to MESA table
SCB 1 to MESA top
Seal organic cont sample
Close SRC

SCB 1 to tool gate
Hammer to leg pocket
TGE - GRAV -

1+18

FLAG DEPLOY

- Unstow kit
- Select site 2:00/30'
- Photos (CDR cam)
- Cam to LMP
- Hammer to geo pallet

1+22

EXPT PALLET OFFLOAD

Remove QIII thermal
blanket
Offload pallet to +y
pad

TGE - READ -

TGE to surface

TGE - GRAV -

Swivel geo pallet open
BSLSS over seatback

Mount SEP Rcvr on post
Read Temp Meter - close cover
Deploy ant (decals 1-5)
Mount ant on post
Remove SEP Nav cable
Conn SEP Nav to LRV (decal 6)

EMU

LM IN-
SPECT,
ALSEP
OFFLOAD

EXPTS OFF ALSEP
SRC, FLAG TRAV

ALSEP

HFE

FLUX
EP CORE

SRC, FLAG FRONT TV SET-UP EPRES
EXPTS OFFCONFIG ST DRIVERV OF
ALSEP TRAV

Remove EP Xptr brkt from
LRV pallet (backside),
lock on pallet top
EP Xptr to LRV
topside (4,5,6,7)
Close geo pallet
TGE - READ -
TGE - BIAS -
Orient Expt. pallet to sun

1+30

ALSEP TRAV PREP

Core/Bore bag to
LMP seat

FUEL
RTG

N. Flux Expt to LMP seat
Drill to LMP seat, secure
with seatbelt

TGE - READ -
TGE to LRV

EMU
Remove MESA brkts, L. side
LiOH Cann. to middle of MESA
Tidy MESA Blankets

1+35

LRV Equip Ck

- LCRU - blinkts 100% open
- TV/Sunshade
- SEP RCVR/ant - nav cable
- EP Xptr (4,5,6,7) on LRV
- TGE (3 meas. complete)
- Drill, bag, N. Flux

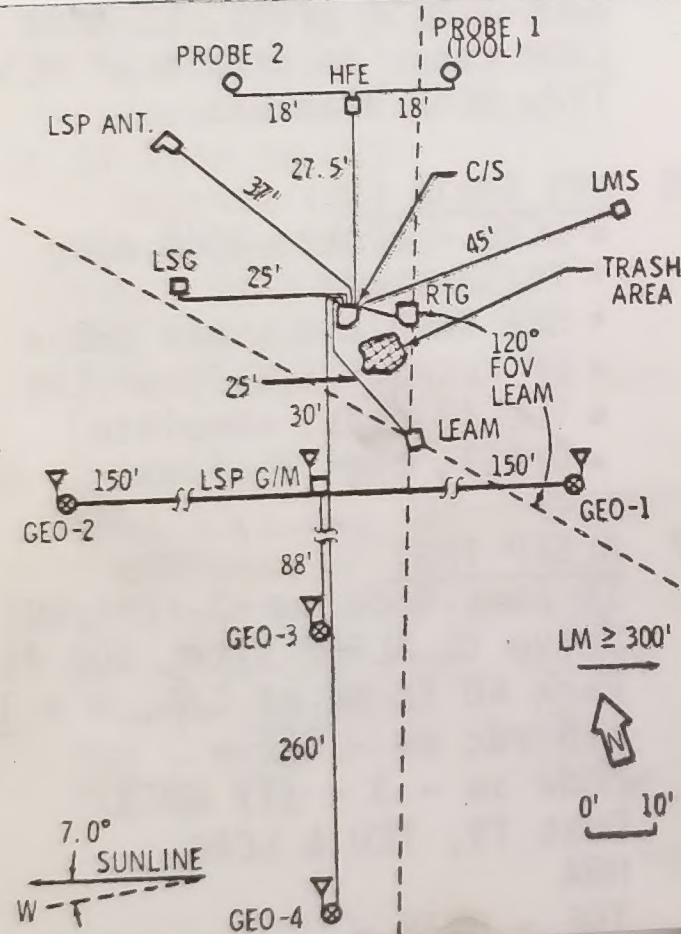
1+37

ALSEP TRAV

TV cam; Mode sw -1-(PM1/WB)
Drive to ALSEP site, 300 ft W
Park 60 ft NE of C/S, H = 180
+15 vdc sw - OFF -
Mode sw - 3 - (TV RMT)
Dust TV, TCU & LCRU
HGA
TGE - GRAV -

CORE CA
PHOTO
ALSEP
TRAV
HFE
ALSEP
HFE
FLUX
EP CORE

SRC, FLAGV FRONT TV SET- LSEP
EXPTS OFFCONFIG ST DRI HFE



1+50

HFE DEPLOY

Offload HFE 10'N of C/S
Conn HFE to C/S, lock
Carry HFE 30'N of C/S, place
on gnd, expt. up
Remove probe box (4BB's)
Stow box 2 on pallet [LSG]
Carry box 1 16'E of HFE,
place on gnd
Carry box 2 16' W of HFE,
place on gnd
Remove elec pkg (4BB's)
Lift with UHT - remove cover
Emplace & align elec [G/M]

TGE - READ -
Assemble Drill

EMU

CORE CAP PHOTOS PRE PRE HFE
D PRE ALSEP HFE
HFE
FLUX
EP CORE

SRC, FLAGV FRO	HFE	ALSEP	LSEP
EXPTS OFFCONF		HFE	RAV

Carry to HFE site:

- Drill
- Rack
- Bore/core bag

2+11 1st PROBE HOLE
 Drill:
 • 1 long stem
 • 2 short stems

2+26 EMPLACE PROBE 1
 Ram 1st thermal
 shield/probe (P1)
 Ram 2nd shield (F1)
 Measure height of stem
 Position top (3rd) shield
 Exit cable S

[LMS,
C/S
DEPLOY]

[LEAM

2+35 2nd PROBE HOLE
 Drill:
 • 1 long stem
 • 2 short stems

2+49 EMPLACE PROBE 2
 Ram 1st thermal
 shield/probe (P1)
 Ram 2nd shield (F1)
 Measure height of stem
 Position top (3rd) shield
 Exit cable S

Verify HFE Elec level/align
 UHT to LRV, LMP seat

EMU

[LSPE
ANT,
GEO
DEPLOY]

CORE CAP

PHOTOS

PREP

PREP

STA 1

HFE

FLUX

EP CORE

SRC, F' DEEP CORE HFE ALSEP LSEP
EXPTS N. FLUX HFE RAV

2+56 DEEP CORE PREP
Carry to Site,
(55 ft. N of HFE):
• Drill
• Rack
• Core bag

DRILL DEEP CORE (1 IPS)

Drill:

- Bit stem first
- 3 stems

Clear Flutes

- 5 sec each stem
 - 20 sec final
- Plug top end

19-7-72 13-6-72
5DR-20 5DR-21
PNA EV-1

3+13

DEEP CORE RECOVER

Get from LRV:

- Treadle
- N. Flux
- Rammer

TGE - GRAV -

Jack to treadle

Ram top plug

Extract stem

- Cap bit end

Lay Core against rack

3+28

NEUTRON FLUX:

Activate lower sec-
tion

Mate to upper

Activate upper

Emplace

Thermal cover over
probe

EMU

ALSEP
PHOTOS

PHOTOS P PREP 1KAV 10
CORE CAP 0 PREP STA 1
N. FLUX
DEEP CORE

CORE CAP
PHOTOS

EP CORE HFE
FLUX

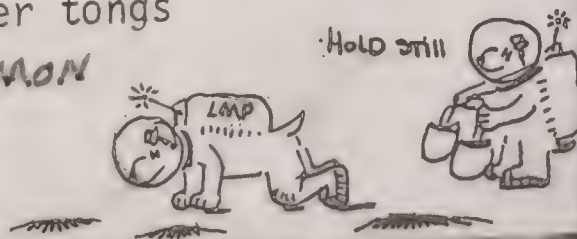
ALSEP GEO PREP
HFE SEP PREP

3+41 GEO PREP
Mount 20 Bag Disp (SCB 1)
to each cam
• LMP cam to LMP seat
• CDR cam to CDR floorpan
Cap Disp (SCB 1) to gate

Stow LMP PLSS [HOLD
• Cap Disp (SCB 1) STILL
• Rammer
• Hammer
• SCB 2
LMP to secure SCB 1

Mount CDR cam
Tether tongs

GNDMAN



3+52 LRV NAV INIT EMU
Mode sw - 1 - (PM1/WB) [WALK
TV cam LM
+15 vdc sw - PRIM -

NAV INITIALIZE

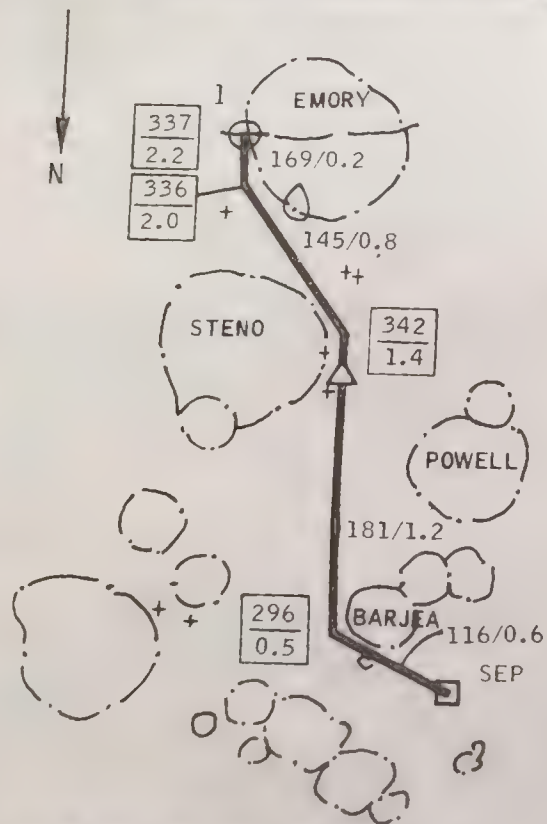
3+57 ALSEP TO SEP SITE VIA LM
Drive to LM - Rpt:
• Bearing, Dist., Range
Drive to SEP site [WALK TO
• (>100m E) DEPLOY
SITE
+15 vdc sw - OFF -
Rpt: Bearing, Dist., Range,
Amp Hrs & Temps

NAV: RESET then OFF [GET
EP 6

LGA = 150

SEP PREP
GEO PREP
STA 1
STA 1
STA 1
TRAY
O SEP

CORE CAP EP CORE HFE TRAV TO 0 PREP
PHOTOS FLUX STA 1 P PREP



HISTORICAL SEQUENCE OF DARK
MANTLE & CHARACT OF PLAINS MAT'L

4+06 EMU TRAV TO STA 1-23 min(116/2.8)

- NO LRV Photos
 - Mtl - variatn, pat gnd
 - Blk - types, distribtn
- 296/0.2 View BARJEA

▲ 340/1.2 EP 6
• Partial pan

342/1.3 STENO rim, blocks
340/1.6 hi pt - sta 1 view
339/1.8 poss view N wall cone
338/2.0 gully - EMORY interior
337/2.0 20 m Cra to left

4+29 337/2.2 STA 1 (66 min)
Park - E rim hi pt, H = 180

STOP

Mode sw - 2 - (FM/TV)
Dust; HGA Gnomon/Rake
TGE - GRAV - Scoop

XMTR SEP CLOSEO TRAV TO STA 1 TRAY
D SFP

A hand-drawn map of a coastal area. The map shows a large body of water, a coastline with several small islands or peninsulas, and a dashed line representing a boundary or survey line. A small 'x' marks a specific location on the coast. A scale bar in the bottom right corner indicates 100 m.

9-12-72
FAS
W-J-32
CUR 29
CUR 29

STA 1 (66 MIN) 337/2.2

- Contacts - mtl's, mtl/subflr
- Blks - otc, variety
- Mtl Sources - EMORY wall
- Mtl vs Blks - dynamics
- Misc - xenos, alter, gls

SUBFLR

- Doc spl - blk types, tex, old reg
- Rake ^(kg) btw blk, relate blks
- (Soil spl on blk top)

- Trench - sequence
- Db1 core - in youngest

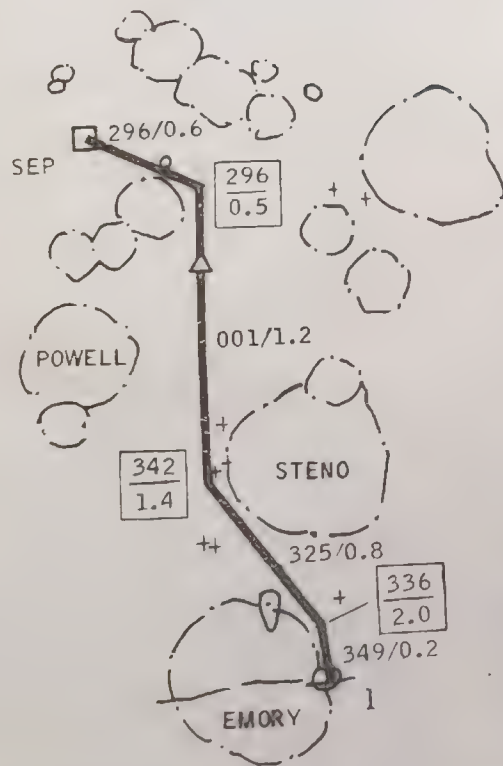
- Rake
- Doc spl

• Doc sp1

PANS

SEP	2	LOSEOUT	EVA 1	STA 1	TRAY
XMTR			TERM		0 SEP

CORE CA - TRAV TO SEP
 PHOTOS TO SEP
 STA 1 MAP
 STA 1 P PREP
 TRAV TO SEP
 STA 1 P PREP



SIA 1 CLOSEOUT

▲ Deploy EP 5

- Locator photo to LRV
- Include in a pan

Get EP 7

TGE - READ -

TV cam; Mode sw - 1 - (PM1/WB)
 LGA = 330 (frame, tools)

5+35 TRAV TO SEP-23 min (349/2.8)

- LRV photos Mtl
- Blks - variatn
- Mtl - variatn, dynamics

336/2.0 N wall cone

341/1.6 STENO Crater

▲ 320/0.7 EP 7

- Partial pan
 - TRIDENT - source, xenos
- 296/0.3 View BARJEA

EMU

SEP

CLOSEOUT

EVA 1

EMU 1

TRAV TO SEP

SEP XMTR
 GRAV SEP
 STA 1 MAP
 STA 1
 GRAV TO
 STA 1
 O PREP
 P PREP

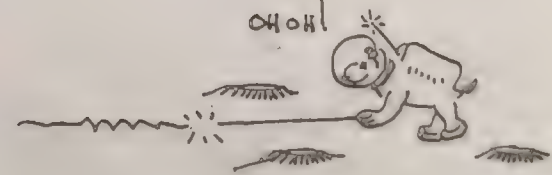
5+58 Arrive SEP site (Xmtr)
 +15 vdc sw - OFF -
 LMP dismount
 Hou: Nav, Amp Hrs & Temps
 Position LRV, H = 090
 NAV: RESET then OFF
 Drive LRV:

H	Dist
090	0.1
210	0.1
360	0.2

Park H = 180
 +15 vdc sw - OFF -
 Mode sw - 3 - (TV Rmt)
 Dust; HGA
 TGE - GRAV -
 Walk to SEP Xmtr

CDR 32
 CDR 33
 EVR 1
 EVR 2
 EVR 3
 EVR 4
 EVR 5
 EVR 6
 EVR 7
 EVR 8
 EVR 9
 EVR 10
 EVR 11
 EVR 12
 EVR 13
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 EVR 96
 EVR 97
 EVR 98
 EVR 99
 EVR 100

6+05 SEP XMTR DEPLOY
 Deploy reel #1 E
 Photograph ant, Xmtr & LMP
 •f11, 74', 1/250
 Deploy reel #3 S
 Photograph ant, Xmtr & LMP
 •f8, 74', 1/250
 Take locator photo to LM
 TGE - READ -
 TRAV TO LM



EMU

SEP XMTR
 EMU 1, 2
 EMU 3
 EMU 4A
 EMU 4
 EVA 1
 TERM
 LOSEOUT

SEP 1964

SCB 2 to +Z pad

Final LRV Check

- Batt covers open
- LCRU blnks open 65%
- Samples off
- Equip stowed

EMU

[ETB

EMU 6, CLOSEOUT
EMU 5

EVA TERM

EMU 3
EMU 1,2

EMU 4A
EMU 4

EMU

SEP	RAV	STA	EVA	TERM	CLOSEOUT
XMTR	SEP	MAP			

Dust SEP Rcvr

- Blankets A & B - Open

VERIFY:

- Pwr sw - OFF -
- Rcdr - OFF -

Offload TGE to R. side of
MESA, IN SHADE

- Take dust brush

TGE - GRAV -

 $6+37$

Dust EMU's

- Slow PLSS ants (CDR/LMP)

Brush to ladder hook

EVA-1 pallet to LMP [INGRESS

Tidy MESA blankets

TGE - READ - ~~When~~ - STBY

Open TGE thermal lid & dust

Brush to ladder hook

Final Transfer Check

- EVA 1 pallet
- ETB
- Core stem bag
- SCB 2
- SRC 1
- Big Bag if reqd

SRC 1 to porch

Hand in SCB 2, Core stem bag

Hand in SRC 1

ETB up & in

INGRESS

6+57 Close hatch

6+58 Repress

EMU 6,7	MU 10	EVA 1	EMU 3	EMU 4A
EMU 5	MU 8,	TERM	MU 1,2	EMU 4

EMU

EMU MALFUNCTIONS

EMU 1: Vent Flag-P, Tone-On

Fan-Off/On

If Flag Still On After 10 Sec:
OPS-On, Purge Vlv-LO (Fan Fail)

EMU 2: Pres Flag-0, Tone-On

OPS-On

If Pres Flag Clears:

Cap PRV, OPS-Off/On

If Cuff Gage Stable, OPS-Off
(PRV Fail)

If Cuff Gage Decays w/OPS Off,
(Leak Or PLSS Reg Fail)

If Pres Flag Still On: Verify
Cuff Gage & TM >3.4, OPS-Off,
(Pres Sens Fail)

EMU 3: 02 Flag-0, Tone-On

Ck Cuff Gage & PLSS 02 Qty

If Cuff Gage >4.0: OPS-On,

PLSS 02 - Off (PLSS Reg Fail)

If Cuff Gage <3.7, OPS-On

Cap PRV, OPS-Off/On

If Cuff Gage Stable, OPS-Off
(PRV Fail)

If Cuff Gage Decays w/OPS Off,
(Leak Or PLSS Reg Fail)

If PLSS 02 Qty Decr: OPS-On(Leak)

EMU

SEP XMTR EMU 4 MU 1,2 EVA 1 TERM LOSEOUT EMU 4A EMU 3

EMU 4: H2O Flag-A, Tone-On(Prim)
Ver Prim H2O - Open, If Open
Ver TM For Subl Restart Or Aux
H2O Act: Subl Restart: Prim H2O
Clsd, Diverter-MAX, Wait 5 Min,
Diverter-MIN, Prim H2O - Open,
Wait 4 Min Or H2O Flag Off,
Diverter As Desrd (Subl Brkthru)
Aux H2O Act: Diverter-MIN, Aux
H2O - Open, Wait 4 Min Or H2O
Flag Off, Diverter As Desrd
(Prim H2O Depletion)
If TM Does Not Ver Subl Brkthru
Or Prim H2O Depletion:
(H2O Press Sw Fail)
If Add'l Cooling Req'd, Act.
BSLSS (Subl Degrd) If No BSLSS,
OPS - On, Purge Vlv-Hi
If Prim H2O - Clsd: Diverter-MIN,
Prim H2O - Open, Wait 4 Min Or
H2O Flag Off, Diverter As Desrd

EMU 4A: H2O Flag-A, Tone-On(Aux)
Ver Prim & Aux H2O-Open, If Open
& Add'l Cooling Req'd, Act.
BSLSS (Subl Degrd) If No BSLSS,
OPS-On, Purge Vlv-Hi
Ver TM For Subl Restart: Prim
H2O-Clsd, Diverter-MAX, Wait 5
Min, Diverter-MIN, Prim H2O-
Open, Wait 4 Min Or H2O Flag
Off, Diverter As Desrd
(Subl Brkthru)
If TM Does Not Ver Subl Brkthru:
(H2O Press Sw Fail or H2O Blocked
Or Depleted)
If Prim Or Aux H2O-Clsd:
Diverter-MIN, Prim & Aux H2O
Open, Wait 4 Min Or H2O Flag
Off, Diverter As Desrd

EMU 6,7 EMU 10 BSLSS
EMU 5 EMU 8,9 U1,LCRU
EMU 4A
EMU 4

EMU

EMU 5
EMU 6,7
EMU 4
EMU 4A
EMU 3
EVA 1
TERM
CLOSEOUT

EMU 5: Tone-On, No Flags

Ck Cuff Gage

If <3.4: OPS-On (Pres Flag
Fail & Leak Or PLSS Reg Shift)

If >3.4: After Tone Off,

Cycle Mode Sel A/AR

If Tone On Again:

Fan-Off 5 Sec,

If No Vent Flag: OPS-On, Purge

Vlv-Lo (Vent Flag & Fan Fail)

If Vent Flag On: Fan-On, Check

PLSS O2 Qty, If > Than Normal

Decr Rate: OPS-ON (O2 Flag

Fail & EMU Leak)

If No Tone & TM Confirms Low

H2O Press (H2O Flag Failed &

H2O Sys Problem-Go To EMU 4 If

PRIM In Use, Or 4A If AUX In Use)

If TM H2O Press Good (Transient

Cond Or Tone Fail)

CDR-42
CDR-45
EVA 1
EVA 2
EVA 3
EVA 4
EVA 5
EVA 6
EVA 7
EVA 8
EVA 9
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EVA 98
EVA 99
EVA 100

EMU 6: Cuff Gage <3.7, (All Other
Indicators OK)

OPS-On

If Cuff Gage Increase,
(PLSS Reg Shift)

If No Gage Increase,

Ver TM >3.7, OPS - Off
(Cuff Gage Fail)

EMU 7: PLSS O2 Qty Ind Abnormal

Ck Cuff Gage Or O2 Flag-0

If Cuff Gage >4.0, OPS-On,

PLSS O2-Off (PLSS Reg Fail)

If Cuff Gage <3.7 Or O2 Flag-0,
OPS-On (Leak)

If No Apparent Failure, Ver TM
(Ind Or X-ducer Fail Or Leak)

EMU 6,7
EMU 10
BSLSS
EMU 5
EMU 8,9
UT1,LCRU

EMU

EMU 5 EMU 4 EMU 1,2 EVA TERM EMU 8,9 EMU 10
EMU 6,7 EMU 4A EMU 3

EMU 8: Cuff Gage >4.0

If 02 Flag-0 Or PLSS 02 Decr,
OPS-On, PLSS 02-Off
(PLSS Reg Fail)
If Neither, Ver TM (Gage Fail)

EMU 9: Loss Of Pump Noise

If No Side Tone, OPS-On,
Purge Vlv-LO, Act. BSLSS
(Power Fail) [If No BSLSS,
OPS-On, Purge Vlv-Hi]
If Sidetone OK, Ver Pump-On. If
Add'l Cooling Req'd, Act. BSLSS
(Pump Fail) [If No BSLSS,
OPS-On, Purge Vlv-Hi]

EMU 10: Cooling Inadequate

Ver Diverter-MAX & Pump-On
Ver Prim & (If On Aux) Aux H2O
Open: If Open, Act. Gas Trap
5 Sec, Wait 3 Min, If Add'l
Cooling Req'd, Act. BSLSS (Flow
Restr, Subl Or Pump Degrd, Or
Heat Leak) [If No BSLSS,
OPS-On, Purge Vlv-Hi]
Ver TM For Aux H2O Act: Diverter
MIN, Aux H2O-Open, Wait 4 Min,
Diverter As Desrd (Prim H2O
Depletion)
If Prim Or (If On Aux) Aux H2O
Clsd: Diverter-MIN, Prim & (If
On Aux) Aux H2O-Open, Wait 4
Min, Diverter As Desrd
(H2O Flag Fail)

EMU 10 BSLSS
EMU 8,9 11,LCRU

EMU

EMU 11: Loss Of Voice Comm (LM)

Ck Vol Controls (Wheel A-Hou,
Blade-B-EVA)
Cycle PTT Sw-MAIN & MOM
CDR Mode Sel To B, LMP To A
(Hand Signals)
If No Comm, CDR To A, LMP To B

LCRU 1: Loss Of Voice Comm (LCRU)

If no comm between crewmen,
perform EMU 11.

If no comm with MSFN:

Ck Vol Control (Wheel-A-Hou)
Repoint LCRU antenna
Select alternate mode--
Mode - PM1/WB or FM/TV
Point selected antenna
LCRU cb - close
LRV AUX cb - close
LCRU POWER Sw - alt pos (INT/EXT)

BSLSS Don And Activate

- 1 Unstow BSLSS
- 2 Conn Tether Between Crewmen:
BSLSS H2O Flow Divider At Good
PLSS, Good PLSS On RH Side
- 3 Remove Dust Cover From BSLSS
H2O Flow Divider
- 4 Discon Good PLSS H2O From PGA
- 5 Conn BSLSS H2O Flow Divider To
PGA With Good PLSS
- 6 Failed PLSS Pump-Off
- 7 Discon Failed PLSS H2O From
PGA & Secure
- 8 Discon BSLSS H2O From BSLSS
H2O Flow Divider
- 9 Conn BSLSS H2O To PGA With
Failed PLSS
- 10 Conn Good PLSS H2O To BSLSS
H2O Flow Divider

EMU

BSLSS Doff

- 1 Discon BSLSS From Failed PLSS
PGA
- 2 Discon Tether From Both PGA's
- 3 Discon PLSS H2O From BSLSS
- 4 Discon BSLSS From PGA & Discard
- 5 Conn Good PLSS H2O To PGA
- 6 Ingress LM

EMU 5 EMU 4 BSLSS J11, LCRUMU 8,9
EMU 6,7 EMU 4A BSLSS EMU 10

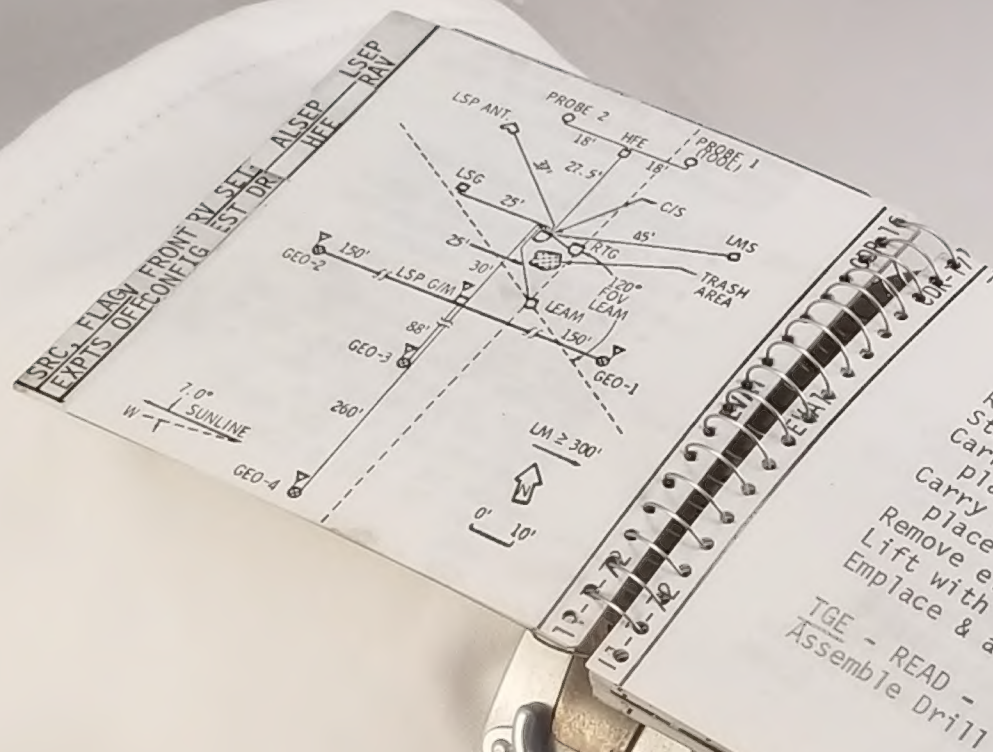
9101072 ENA 10 CLR 18



EMU

N 1028

31100



1+50 HFE DEPLOY
 Offload HFE
 Conn HFE to C/S, lock
 Carry HFE to C/S, place
 on gnd, expt. up
 Remove probe box (4BB's)
 Stow probe box up
 Carry box 2 on pallet
 place box 1 16'E of HFE, [LSG
 Carry box on gnd
 place box 2 16' W of HFE,
 Remove elec pkg (4BB's)
 Lift with UHT - remove cover
 Emplace & align elec [G/M

TGE - READ -
 Assemble Drill

PHOTOS
 CORE CAP P PREP HFE
 HFE
 FLUX M
 CORE